

SantoLubes LLC

Santotrac, Santovac, Santolubes and Synergy

January 8, 2020

Mr. Jim Wright
Director of Public Works
City of St. Charles
2871 Elm Point Industrial Dr.
St. Charles, MO 63301

Re: Annual Report, Minor Non-Domestic Contributor Permit 18-4

Hello Mr. Wright,

As required under the referenced permit, I herein summarize the activities during calendar 2019.

1. Pumped and treated water from MW-6 and EW-1 from January 1 through May 5, 2019.
2. Shut down groundwater system on May 5 due to levee break.
3. Submitted semiannual report along on June 25.
4. Site was flooded from May 6 through July 8.
5. Cleanup, inspections and electrical system replacement were ongoing until August 28.
6. Groundwater system restarted on August 28.
7. Pumped and treated water from MW-6 and EW-1 from August 28 through December 31, 2019.
8. Cleaned air stripper as necessary during the year.
9. Conducted spring groundwater sampling September 9-12 (later than normal due to flood).
10. Conducted fall groundwater sampling November 19-20.
11. Submitted annual report along with groundwater analytical results on January 8, 2020.

If there are any questions regarding this report, please contact me at 314-623-1242.

Best regards,



Steve Burian
SantoLubes LLC

cc: Mr. Gary Miller, Woodard & Curran
Ms. Wendy Dalton, Woodard & Curran
Mr. Clint Sperry, Region VII EPA
Ms. Candice McGhee, MDNR
Dr. George E. Garrison, Santolubes LLC

Client Sample Results

Client: Santolubes LLC
Project/Site: Water Samples

Job ID: 160-36441-1

Client Sample ID: TUD

Lab Sample ID: 160-36441-5

Date Collected: 11/19/19 10:52

Matrix: Water

Date Received: 11/20/19 14:00

Method: 8260C SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	68		5.0	1.2	ug/L			12/03/19 16:46	1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.2	ug/L			11/22/19 19:18	1
Benzene	1.5	J	5.0	0.33	ug/L			11/22/19 19:18	1
2-Butanone (MEK)	ND		20	2.4	ug/L			11/22/19 19:18	1
Chlorobenzene	ND		5.0	0.59	ug/L			11/22/19 19:18	1
Chloroethane	ND		10	1.0	ug/L			11/22/19 19:18	1
1,1-Dichloroethane	ND		5.0	0.56	ug/L			11/22/19 19:18	1
1,1-Dichloroethene	ND		5.0	0.72	ug/L			11/22/19 19:18	1
1,2-Dichloroethene, Total	8.7	J	10	1.3	ug/L			11/22/19 19:18	1
Ethylbenzene	ND		5.0	0.44	ug/L			11/22/19 19:18	1
2-Hexanone	ND		20	4.6	ug/L			11/22/19 19:18	1
1,1,2,2-Tetrachloroethane	ND		5.0	2.1	ug/L			11/22/19 19:18	1
Toluene	ND		5.0	2.4	ug/L			11/22/19 19:18	1
1,1,2-Trichloroethane	ND		5.0	0.77	ug/L			11/22/19 19:18	1
Trichloroethene	ND		5.0	0.66	ug/L			11/22/19 19:18	1
Vinyl chloride	ND		5.0	1.0	ug/L			11/22/19 19:18	1
Xylenes, Total	ND		10	1.4	ug/L			11/22/19 19:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		71 - 139		11/22/19 19:18	1
Dibromofluoromethane (Surr)	95		80 - 121		11/22/19 19:18	1
1,2-Dichloroethane-d4 (Surr)	100		76 - 121		11/22/19 19:18	1
Toluene-d8 (Surr)	103		80 - 129		11/22/19 19:18	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.48	0.15	ug/L		11/25/19 13:09	11/25/19 22:05	1
PCB-1221	ND		0.48	0.23	ug/L		11/25/19 13:09	11/25/19 22:05	1
PCB-1232	0.28	J	0.48	0.082	ug/L		11/25/19 13:09	11/25/19 22:05	1
PCB-1242	ND		0.48	0.12	ug/L		11/25/19 13:09	11/25/19 22:05	1
PCB-1248	ND		0.48	0.097	ug/L		11/25/19 13:09	11/25/19 22:05	1
PCB-1254	ND		0.48	0.096	ug/L		11/25/19 13:09	11/25/19 22:05	1
PCB-1260	ND		0.48	0.10	ug/L		11/25/19 13:09	11/25/19 22:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	81		30 - 120	11/25/19 13:09	11/25/19 22:05	1
DCB Decachlorobiphenyl	75		30 - 140	11/25/19 13:09	11/25/19 22:05	1

Eurofins TestAmerica, St. Louis

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

S Burian

Steve Burian
SantoLubes LLC